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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/753,428	01/03/2001		Kung-Liang Kevin Sung	IPC-109A, Case 25	1174
321	7590	09/01/2006		EXAMINER	
SENNIGEI			KUHNS, ALLAN R		
ONE METROPOLITAN SQUARE 16TH FLOOR				ART UNIT	PAPER NUMBER
ST LOUIS,	MO 631	02	1732		
				DATE MAILED: 09/01/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	09/753,428	SUNG ET AL.				
Office Action Summary	Examiner	Art Unit				
	Allan Kuhns	1732				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 13 M	arch 2006.					
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>26-43</u> is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) <u>26-43</u> is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the I drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

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1.Claims 26-43 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims are indefinite because independent claims 26 and 35 require the presence of "vinyl chloride resin foaming agent" in the product when it has already acquired a sheet form. But it appears that when the sheet has formed, only remnants or decomposition products of the foaming agent are present in the sheet. Clarification is required.

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3.Claims 26-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Waki et al. (4,800,214). Waki et al. disclose or suggest the basic claimed synthetic sheet or plate (column 3, line 51) including (1) about 70 to about 100 parts by weight of vinyl chloride resin (note table 1), (2) about 10 to about 100 parts by weight of a natural cellulosic product (note the teaching of the use of wood powders in the alternative at column 17, line 35 in conjunction with filler amounts described in the examples set forth in Table 1), and (3) about 0.5 to about 10 parts by weight of vinyl chloride resin foaming agent (column 9, lines 57-63). Waki et al. suggest the production of a sheet or plate having a density within the ranges of claims 26 and 35, based on the specific gravities listed for the examples and comparative examples in Table 1. It is submitted that the

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hardness of the sheet or plate produced by Waki et al. is inherently within the claimed ranges, based on the composition shaped by Waki et al. and the specific process steps conducted. Waki et al. appear not to describe their synthetic sheet or plate as "wood-like", but it would have been obvious to one of ordinary skill in the art that the composite sheet or plate produced by Waki et al. would tend to exhibit some characteristics of wood for the embodiment in which wood powders are used as an additive.

Waki et al. teach the use of stabilizers and processing aids, as in claims 34 and 43, at column 4, lines 13-19. Waki et al. describe the aspect of removing a film from a sample plate or sheet at column 12, lines 54-58, and after such film removal, it is submitted that the sample has a foam surface and a foam core, as in claims 33-42. Waki et al. describe forming a plate molding body having a thickness of 3 mm at column 12, line 58, which is within the range of claims 27 and 36, but it is submitted that it is well within the skill level of one of ordinary skill in the art to form a sheet or plate having a thickness within the limitations of claims 27-29, 31, 32, 36-38, 40 and 41, in response to product specifications. It is further submitted that the sheet or plate of Waki et al. would inherently exhibit a shrinkage amount within the ranges of claims 30 and 39, based on physical properties related to its composition.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allan Kuhns whose telephone number is (571) 272-1202. The examiner can normally be reached on Monday to Thursday from 7:00 to 5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Johnson, can be reached on (571) 272-1176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ALLAN R. KUHNS
PRIMARY EXAMINER AU 1732
81-29-06